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(54) DATA RECORDING METHOD IN REWRITABLE OPTICAL DISC DEVICE

(57) Abstract:

PURPOSE: A data recording method in a rewritable optical disc device is provided to generate navigation data in a recording format corresponding to a DVD-ROM while recording A/V data with a constant bit rate in a rewritable DVD.

CONSTITUTION: When data is requested to be recorded, input audio/video data is recorded in a rewritable recording medium in real time with a constant bit rate. Navigation data with respect to the audio/video data recorded in real time is generated and recorded in a recording format corresponding to a reproduction-dedicated recording medium. The navigation data includes presentation control information and data search information with respect to the audio/video data.

Navigation Data		Recorded Area
VMDI	Video Manager Information	Navigation
VTSI	Video Title Set Information	Navigation
PGCI	Program Chain Information	Navigation (Video + VTS)
PGC-OP	PGC General Information	Data Record
PGC-OP-01	PGC Angle Information	16 " Padding
PGC-OP-02	PGC Angle Information	16 " Padding
PGC-OP-03	PGC Angle Information	16 " Padding
PGC-OP-04	PGC Angle Information	16 " Padding
PGC-OP-05	PGC Angle Information	16 " Padding
PGC-OP-06	PGC Angle Information	16 " Padding
PGC-OP-07	PGC Angle Information	16 " Padding
PGC-OP-08	PGC Angle Information	16 " Padding
PGC-OP-09	PGC Angle Information	16 " Padding
PGC-OP-10	PGC Angle Information	16 " Padding
PGC-OP-11	PGC Angle Information	16 " Padding
PGC-OP-12	PGC Angle Information	16 " Padding
PGC-OP-13	PGC Angle Information	16 " Padding
PGC-OP-14	PGC Angle Information	16 " Padding
PGC-OP-15	PGC Angle Information	16 " Padding
PGC-OP-16	PGC Angle Information	16 " Padding
PGC-OP-17	PGC Angle Information	16 " Padding
PGC-OP-18	PGC Angle Information	16 " Padding
PGC-OP-19	PGC Angle Information	16 " Padding
PGC-OP-20	PGC Angle Information	16 " Padding
PGC-OP-21	PGC Angle Information	16 " Padding
PGC-OP-22	PGC Angle Information	16 " Padding
PGC-OP-23	PGC Angle Information	16 " Padding
PGC-OP-24	PGC Angle Information	16 " Padding
PGC-OP-25	PGC Angle Information	16 " Padding
PGC-OP-26	PGC Angle Information	16 " Padding
PGC-OP-27	PGC Angle Information	16 " Padding
PGC-OP-28	PGC Angle Information	16 " Padding
PGC-OP-29	PGC Angle Information	16 " Padding
PGC-OP-30	PGC Angle Information	16 " Padding
PGC-OP-31	PGC Angle Information	16 " Padding
PGC-OP-32	PGC Angle Information	16 " Padding
PGC-OP-33	PGC Angle Information	16 " Padding
PGC-OP-34	PGC Angle Information	16 " Padding
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PGC-OP-39	PGC Angle Information	16 " Padding
PGC-OP-40	PGC Angle Information	16 " Padding
PGC-OP-41	PGC Angle Information	16 " Padding
PGC-OP-42	PGC Angle Information	16 " Padding
PGC-OP-43	PGC Angle Information	16 " Padding
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PGC-OP-45	PGC Angle Information	16 " Padding
PGC-OP-46	PGC Angle Information	16 " Padding
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PGC-OP-50	PGC Angle Information	16 " Padding
PGC-OP-51	PGC Angle Information	16 " Padding
PGC-OP-52	PGC Angle Information	16 " Padding
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PGC-OP-86	PGC Angle Information	16 " Padding
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PGC-OP-92	PGC Angle Information	16 " Padding
PGC-OP-93	PGC Angle Information	16 " Padding
PGC-OP-94	PGC Angle Information	16 " Padding
PGC-OP-95	PGC Angle Information	16 " Padding
PGC-OP-96	PGC Angle Information	16 " Padding
PGC-OP-97	PGC Angle Information	16 " Padding
PGC-OP-98	PGC Angle Information	16 " Padding
PGC-OP-99	PGC Angle Information	16 " Padding
PGC-OP-100	PGC Angle Information	16 " Padding

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심사청구 : 없음

(54) 재기록 가능 광디스크 장치에서의 데이터 기록방법

요약

본 발명은, 재기록 가능 광디스크 장치에서의 데이터 기록방법에 관한 것으로, 데이터 기록 요청시, 입력되는 오디오/비디오 데이터를 재기록 가능 기록매체에 고정 비트 레이트로 실시간 기록하는 1단계; 및 상기 실시간 기록되는 오디오/비디오 데이터에 대한 네비게이션 데이터를, 재생 전용 기록매체에 해당되는 기록 포맷으로 생성 기록하는 2단계를 포함하여 이루어져, DVD-RW와 같은 재기록 가능 디브이디에 실시간으로 기록 저장되는 A/V 데이터를 고정 비트 레이트(CBR) 기록하면서, 디브이디 롬(DVD-ROM)과 같은 재생 전용 디브이디에 상응하는 기록 포맷의 네비게이션 데이터를 선별하여 생성 기록함으로써, 재기록 가능 디브이디에 기록되는 네비게이션 데이터를, 재생 전용 디브이디에서의 기록 포맷과 호환성을 갖도록 기록할 수 있게 되어, 재생 전용 디브이디를 재생하기 위하여 이미 개발 출시된 비디오 디스크 플레이어와 같은 광디스크 장치에서도, 재기록 가능 디브이디에 선택 기록된 A/V 데이터 및 네비게이션 데이터를 정상적으로 독출 재생할 수 있게 되는 매우 유용한 발명인 것이다.

대표도
도 5

참조문헌
디브이디 롬, 재기록 가능 디브이디, 고정 비트 레이트, 네비게이션 데이터, DVD Video, DVD-RW

발명자